

- 1       1. An apparatus for positively identifying an item, the apparatus comprising:  
2              a reader configured to read a coded identifier associated with the item;  
3              a capture module configured to capture a visual characteristic of the item; and  
4              a verification module configured to verify that the candidate item is associated with  
5              the coded identifier.
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- 7       2. The apparatus of claim 1, further comprising an association module configured to  
8              associate the visual characteristic with a candidate item in a database.
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- 10      3. The apparatus of claim 1, further comprising a confirmation module configured to  
11              confirm with a user that the candidate item is associated with the item.
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- 13      4. The apparatus of claim 1, further comprising a presentation module configured to  
14              present to a user a plurality of candidate items associated with the visual characteristic of the  
15              item and allow the user to identify from the plurality of candidate items a candidate item  
16              corresponding to the item.
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- 18      5. The apparatus of claim 1, further comprising a notification module configured to notify  
19              a user whether the coded identifier is associated with the candidate item.
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- 21      6. The apparatus of claim 1, wherein the database is configured to associate the visual  
22              characteristic with the candidate item and the coded identifier.
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- 24      7. The apparatus of claim 1, further comprising a weight module configured to identify and  
25              associate the weight of the item with the weight of the candidate item.
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- 1       8. The apparatus of claim 1, wherein the visual characteristic is selected from the group  
2 consisting of color, size, shape, or texture.
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- 4       9. A user interface for positively identifying an item, the user interface comprising:  
5              an input module configured to read a coded identifier associated with the item and to  
6              capture a visual characteristic associated with the item;  
7              a controller in communication with the input module, the controller configured to  
8              receive the coded identifier and the visual characteristic from the input  
9              module, associate the visual characteristic with a candidate item in a  
10             database, and verify that the candidate item is associated with the coded  
11             identifier; and  
12              a confirmation module in communication with the controller, the confirmation  
13             module configured to confirm that the candidate item is associated with the  
14             item;
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- 16       10. The user interface of claim 9, further comprising a presentation module configured to  
17             present to a user a plurality of candidate items associated with the visual characteristic of the  
18             item and allow the user to identify from the plurality of candidate items a candidate item  
19             corresponding to the item.
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- 21       11. The user interface of claim 9, further comprising a notification module configured to  
22             notify a user whether the candidate item is associated with the coded identifier of the item.
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- 24       12. The user interface of claim 9, wherein the input module identifies and associates the  
25             weight of the item with the weight of the candidate item.
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- 1       13. A system for positively identifying an item, the system comprising:
  - 2           a checkout station comprising a reader configured to read a coded identifier of the
  - 3           item and a capture module configured to capture a visual characteristic of the
  - 4           item; and
  - 5           a server in communication with the checkout station, the server comprising an
  - 6           association module configured to associate the visual characteristic with a
  - 7           candidate item in a database, and a verification module configured to verify
  - 8           that the candidate item is associated with the coded identifier.
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- 10      14. The system of claim 13, wherein the server is remote in relation to the checkout station.
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- 12      15. The system of claim 13, wherein the server communicates with a plurality of checkout
- 13      stations.
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- 15      16. A method for positively identifying an item, the method comprising:
  - 16           reading a coded identifier associated with the item;
  - 17           capturing a visual characteristic of the item;
  - 18           associating the visual characteristic with a candidate item in a database; and
  - 19           verifying that the candidate item is associated with the coded identifier.
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- 21      17. The method of claim 16, further comprising confirming with a user that the candidate
- 22      item is associated with the item.
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- 24      18. The method of claim 16, further comprising presenting to a user a plurality of candidate
- 25      items associated with the visual characteristic of the item and allowing the user to identify
- 26      from the plurality of candidate items a candidate item corresponding with the item.
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- 1        19. The method of claim 16, further comprising notifying a user whether the coded
- 2        identifier is associated with the candidate item.
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- 4        20. The method of claim 16, wherein the database is configured to associate the visual
- 5        characteristic with the candidate item and the coded identifier.
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- 7        21. The method of claim 16, further comprising generating a visual signature from the
- 8        visual characteristic.
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- 10      22. The method of claim 16, further comprising identifying and associating the weight of
- 11      the item with the weight of the candidate item.
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- 13      23. The method of claim 16, wherein the visual characteristic is selected from the group
- 14      consisting of color, size, shape, or texture.
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- 16      24. An apparatus for positively identifying an item, the apparatus comprising:
  - 17            means for reading a coded identifier associated with the item;
  - 18            means for capturing a visual characteristic of the item;
  - 19            means for associating the visual characteristic with a candidate item in a database;
- 20      and
  - 21            means for verifying that the candidate item is associated with the coded identifier.
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- 23      25. The apparatus of claim 24, further comprising means for confirming with a user that the
- 24      candidate item is associated with the item.
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- 26      26. The apparatus of claim 24, further comprising means for notifying a user whether the
- 27      coded identifier is associated with the candidate item.

- 1       27. An article of manufacture comprising a program storage medium readable by a  
2       processor and embodying one or more instructions executable by a processor to perform a  
3       method for positively identifying an item, the method comprising:  
4              reading a coded identifier associated with an item;  
5              capturing a visual characteristic of the item;  
6              associating the visual characteristic with a candidate item in a database; and  
7              verifying that the candidate item is associated with the coded identifier.  
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9       28. The article of manufacture of claim 27, wherein the method further comprises  
10      confirming with a user that the candidate item is associated with the item.  
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12     29. The article of manufacture of claim 27, wherein the method further comprises  
13      presenting to a user a plurality of candidate items associated with the visual characteristic of  
14      the item and allowing the user to identify from the plurality of candidate items a candidate  
15      item corresponding with the item.  
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17     30. The article of manufacture of claim 27, wherein the method further comprises notifying  
18      a user whether the coded identifier is associated with the candidate item.  
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